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L4: Entry 4 of 12                    File: PGPB              Dec 5, 2002

DOCUMENT-IDENTIFIER: US 20020184235 A1
TITLE: Utility mapping and data distribution system and method

Detail Description Paragraph:
[0051] For example, an above-ground or downhole GPR or seismic/acoustic utility detectors may be used to perform subsurface imaging for purposes of detecting buried utilities and obstacles. Various techniques for detecting subsurface structures and objects and for characterizing subsurface geology are disclosed in commonly assigned U.S. Pat. Nos. 5,720,354, 5,904,210, 5,819,859, 5,553,407, 5,704,142, and 5,659,985, all of which are hereby incorporated herein by reference in their respective entireties. An exemplary approach for detecting an underground object and determining the range of the underground object using radar signals is described in U.S. Pat. Nos. 5,867,117 and 6,225,941, which are hereby incorporated herein by reference in their respective entireties.

Detail Description Paragraph:
[0056] According to one embodiment, a utility detection system of the present invention is provided on a portable platform(s) and towed by a small vehicle, such as an all terrain vehicle (ATV). In this system deployment, utility detection data is preferably acquired at collection speeds between about 2 and 5 mph for depths of at least 15 feet or more.

CLAIMS:

66. The apparatus of claim 47, wherein the processor generates a map of the detected utilities using the sensor data.

h      e  b      b  g  e e f    c      e      bb                          e   ge

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l1 and l2 and L3

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| L2 | map near2 process$3 | 10632 | L2 |
| L1 | detect$3 near3 (obstacle$ or debris) | 8203 | L1 |

END OF SEARCH HISTORY

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